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	Application No.	Applicant(s)
Notice of Allowability	09/890,095 Examin r	SUGAHARA ET AL.
Notice of Allowability	Examin	Artonii
	Dung (Michael) T Nguyen	2828
Th MAILING DATE of this communication ap All claims being allowable, PROSECUTION ON THE MERITS I herewith (or previously mailed), a Notice of Allowance (PTOL-8 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT of the Office or upon petition by the applicant. See 37 CFR 1.3	S (OR REMAINS) CLOSED in this app 5) or other appropriate communication RIGHTS. This application is subject to	plication. If not included will be mailed in due course. <b>THIS</b>
1. This communication is responsive to <u>05/05/04</u> .		
2. The allowed claim(s) is/are <u>1,3-5,7-9 and 11-22</u> .		
3. The drawings filed on 27 July 2001 are accepted by the	Examiner.	-
4. ☑ Acknowledgment is made of a claim for foreign priority  a) ☑ Áll b) ☐ Some* c) ☐ None of the:  1. ☑ Certified copies of the priority documents had  2. ☐ Certified copies of the priority documents had	ive been received. ive been received in Application No	
Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATI noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	E" of this communication to file a reply NMENT of this application.	complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which g	omitted. Note the attached EXAMINER gives reason(s) why the oath or declara	R'S AMENDMENT of NOTICE OF ation is deficient.
6. CORRECTED DRAWINGS ( as "replacement sheets") in	nust be submitted.	
(a) including changes required by the Notice of Draftsp	erson's Patent Dráwing Reviéw ( PTO	-948) attached
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examin Paper No./Mail Date	er's Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such i	R 1.84(c)) should be written on the drawi in the header according to 37 CFR 1.121	ngs in the front (not the back) of (d).
7. DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMEN	posit of BIOLOGICAL MATERIAL IT FOR THE DEPOSIT OF BIOLOGIC	must be submitted. Note the CAL MATERIAL
Attachm nt(s) 1. ⊠ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal I	Patent Application (PTO-152)
2. Notice of References Cited (FTO-092)  2. Notice of Draftperson's Patent Drawing Review (PTO-94)	8) 6. 🗌 Interview Summary	/ (PTO-413).
3. Information Disclosure Statements (PTO-1449 or PTO/S	Paper No./Mail Da	ate ment/Comment
Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Depos	it 8. 🖾 Examiner's Statem	ent of Reasons for Allowance
of Biological Material	A 9. ☐ Other	

Don Wang
Supervisory Patent Examiner
Technology Center 2800

Application/Control Number: 09/890,095

Art Unit: 2828

## **DETAILED ACTION**

## Allowable Subject Matter

Claims 1, 3-5, 7-9, and 11-22 are allowed.

The following is an examiner's statement of reasons for allowance: The examiner has reviewed the prior art in light of applicant's claimed invention and finds that the claims define over the prior art. The prior art does not disclose or suggest inter alia the limitations of a semiconductor laser device comprising: a resonant cavity disposed between a n-type compound semiconductor layer and a p-type compound semiconductor layer, a light having a wavelength of 0.4 um or less is emitted along the interfaces of the n-type compound semiconductor layer and the p-type compound semiconductor layer by applying a voltage to each compound semiconductor layer; and a reflective film adhered to an end facet of the resonant cavity, wherein the reflective film is composed of a first dielectric layer and a second dielectric layer, the second dielectric layer is made of niobium oxide.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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## **Communication Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dung (Michael) T Nguyen whose telephone number is (571) 272-1949. The examiner can normally be reached on 8:30 - 17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 306-5511 for regular communications and (703) 306-5511 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-3329.

Nguyen (Michael) Dung

Supervisory Patent Examiner Technology Center 2800